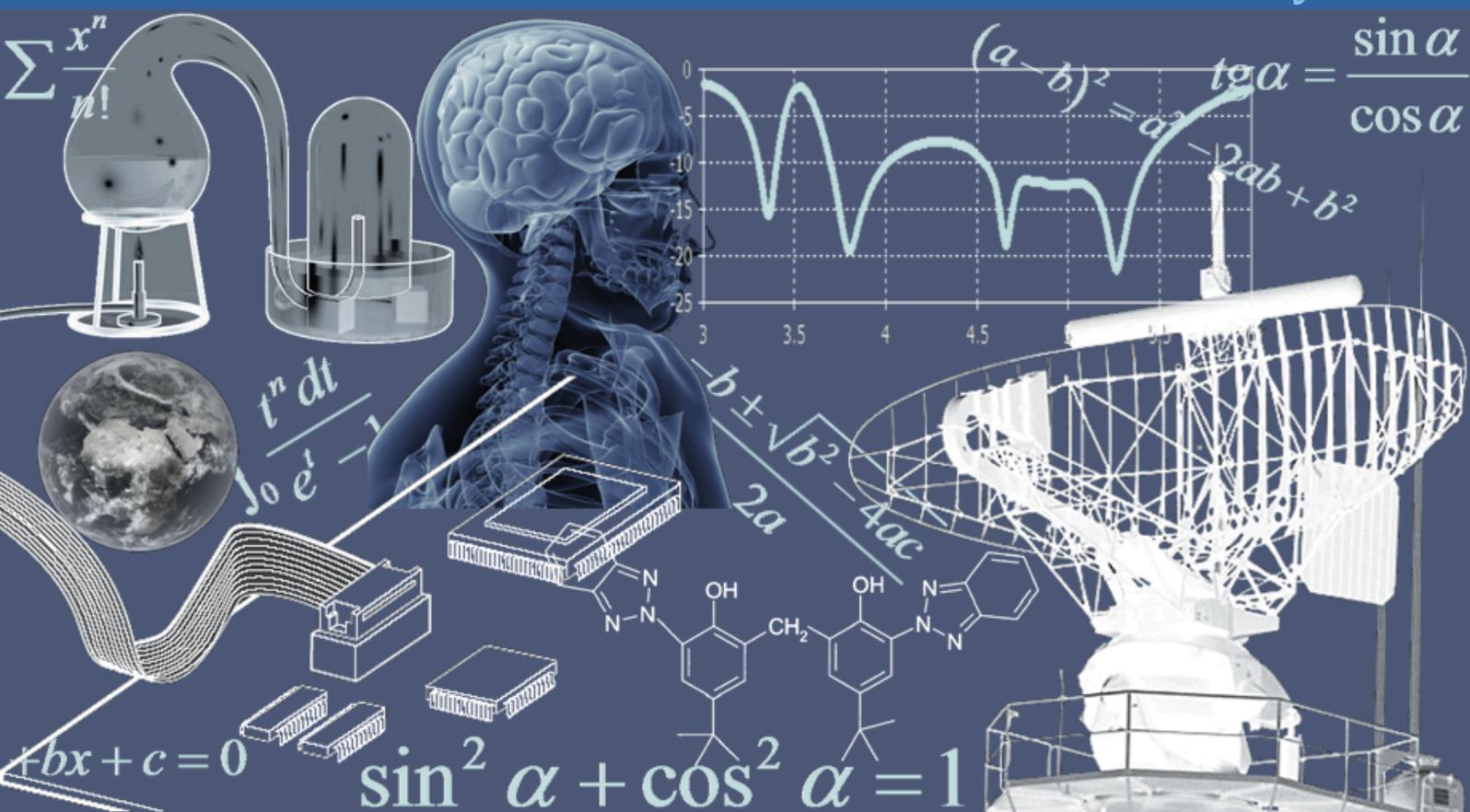


# INTERNATIONAL JOURNAL OF INNOVATION AND APPLIED STUDIES

Vol. 3 N. 1 May 2013



International Peer Reviewed Monthly Journal



## ***International Journal of Innovation and Applied Studies***

International Journal of Innovation and Applied Studies (ISSN: 2028-9324) is a peer reviewed multidisciplinary international journal publishing original and high-quality articles covering a wide range of topics in engineering, science and technology. IJIAS is an open access journal that publishes papers submitted in English, French and Spanish. The journal aims to give its contribution for enhancement of research studies and be a recognized forum attracting authors and audiences from both the academic and industrial communities interested in state-of-the art research activities in innovation and applied science areas, which cover topics including (but not limited to):

Agricultural and Biological Sciences, Arts and Humanities, Biochemistry, Genetics and Molecular Biology, Business, Management and Accounting, Chemical Engineering, Chemistry, Computer Science, Decision Sciences, Dentistry, Earth and Planetary Sciences, Economics, Econometrics and Finance, Energy, Engineering, Environmental Science, Health Professions, Immunology and Microbiology, Materials Science, Mathematics, Medicine, Neuroscience, Nursing, Pharmacology, Toxicology and Pharmaceuticals, Physics and Astronomy, Psychology, Social Sciences, Veterinary.

IJIAS hopes that Researchers, Graduate students, Developers, Professionals and others would make use of this journal publication for the development of innovation and scientific research. Contributions should not have been previously published nor be currently under consideration for publication elsewhere. All research articles, review articles, short communications and technical notes are pre-reviewed by the editor, and if appropriate, sent for blind peer review.

Accepted papers are available freely with online full-text content upon receiving the final versions, and will be indexed at major academic databases.

## Table of Contents

Flame Synthesis of Carbon Nanorods with / without catalyst	1-5
Caractérisation des coordonnées et de la vitesse de la pointe du stylo à partir des signaux électromyographiques de l'avant bras	6-18
Analysis of Control Strategies for Diode Clamped Multilevel Inverter	19-34
Key factors for impelling an innovative social culture	35-47
A Meta – analysis of e- learning effectiveness antecedent	48-58
Online monitoring of Electricity Data through wireless transmission using Radio Frequency	59-67
Influence of the dynamics of <i>Albizia</i> and <i>Albizia</i> on the dynamics of other woody forest	68-74
Game theoretical approach of user behavior based on personal opinion in Online Video Social Networks	75-80
Politiques industrielles dans les pays développés et émergents: cas de la Tunisie	81-91
Case study of the number of injuries (considering several key indicators) in 2012 in real enterprises in Bitola region, Republic of Macedonia	92-97
Relationship between Dividend Payout and Economic Value Added: A Case of Square Pharmaceuticals Limited, Bangladesh	98-104
Generalized Mittag-Leffler function method for solving Lorenz system	105-111
Accuracy Assessment of Cloud Reconstruction Approaches Using Segmentation	112-115
Detection of Exudates for the diagnosis of Diabetic Retinopathy	116-120
Literature Review of Automatic Multiple Documents Text Summarization	121-129
Estimates of the Variations in ECOST for Radial Distribution Systems using Analytical Techniques	130-137
Fault Diagnosis in Process Control Valve Using Artificial Neural Network	138-144
Detection of Heart Diseases by Mathematical Artificial Intelligence Algorithm Using Phonocardiogram Signals	145-150
Étude des propriétés hydriques (porosité et conductivité hydraulique saturée) de l'aquifère du quaternaire d'Abidjan (Côte d'Ivoire)	151-159
Inverse Interpolation: The Rate of Enzymatic Reaction based Finite differences, Formulas for obtaining intermediate values of Temperature, Substrate Concentration, Enzyme Concentration and their Estimation of Errors	160-204
Potentiel allélopathique du figuier de barbarie « <i>Opuntia ficus-indica</i> (L.) Mill » sur la germination et la croissance du jujubier « <i>Ziziphus</i> et <i>Lotus</i> (L.) Desf. »	205-214
Burn Depth Prediction Using Analytical and Numerical Solution of Penne's Bioheat Equation	215-220
New slotting technique of making compact octagonal patch for four band applications	221-227
Retention supports and geochemical interactions of Trace Elements in two soils irrigated by sewage (Meknes, Morocco)	228-236
Recognition of plants by Leaf Image using Moment Invariant and Texture Analysis	237-248
Introduction to the Extreme Value theory applied to operational risk	249-254
Innovation Process from the Perspective of Measurement	255-261
Interoperability in Healthcare: Benefits, Challenges and Resolutions	262-270
Règle de Taylor et conduite de la politique monétaire en Tunisie	271-283
Protein Level and Heavy Metals (Pb, Cr, and Cd) Concentrations in Wheat ( <i>Triticum aestivum</i> ) and in Oat ( <i>Avena sativa</i> ) Plants	284-289
Study of a proactive agent in a multichannel environment: The X-CAMPUS project	290-309
Handwritten Hindi Numerals Recognition	310-317
Selection of Lightning Arrester in the Niger Delta Environment	318-325
Chimpanzee conservation status in the World Heritage Site Taï National Park, Côte d'Ivoire	326-336

